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|----------------------------------------------------------------------------------------------------------------------------|
| <br><b>FIRST QUANTUM</b><br>MINERALS LTD. |
| <p><b>PROYECTO MINA DE COBRE PANAMÁ</b></p>                                                                                |
| <p><b>ESTUDIO DE IMPACTO AMBIENTAL<br/>(EsIA)<br/>CATEGORIA III</b></p>                                                    |
| <p><b>INFORME SEMESTRAL DE PRECIPITACIONES</b></p>                                                                         |

| Compromisos de EsIA Aplicables | Informe N°                                                | Periodo Reportado      | Revisión: | Elaborado por                                       | Revisado y Aprobado por:                    | Fecha de Emisión del Reporte |
|--------------------------------|-----------------------------------------------------------|------------------------|-----------|-----------------------------------------------------|---------------------------------------------|------------------------------|
| 13189                          | 20231031_<br>Informe<br>semestral de<br>precipitacion_8IS | Mayo -<br>Octubre 2023 | 1         | Gumercendo<br>Castro –<br>Coordinador<br>Supervisor | Albert Murillo<br>Especialista<br>Ambiental | 31/10/2023                   |

**REPORTE DE PRECIPITACIÓN**

**Pluviómetro: Río Caimito**

UBICACIÓN: 535142 E - 997300 N, en Minera Panamá, Distrito de Donoso, Provincia de Colón.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 416 mm

Precipitación Extrema: 161 mm el 31/07/2023

Unidad de medición: mm

| Días         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 11         | 11         | 1          | 3          | 3          | 13         | 0          | 0          | 30         | 3          |     |     |
| 2            | 75         | 5          | 0          | 18         | 0          | 2          | 0          | 120        | 0          | 18         |     |     |
| 3            | 44         | 6          | 0          | 7          | 4          | 0          | 0          | 26         | 1          | 7          |     |     |
| 4            | 13         | 0          | 2          | 0          | 0          | 1          | 17         | 0          | 0          | 0          |     |     |
| 5            | 1          | 7          | 0          | 0          | 1          | 11         | 79         | 0          | 0          | 0          |     |     |
| 6            | 38         | 6          | 11         | 4          | 1          | 0          | 40         | 18         | 0          | 4          |     |     |
| 7            | 0          | 4          | 47         | 0          | 9          | 2          | 12         | 67         | 9          | 0          |     |     |
| 8            | 11         | 0          | 0          | 0          | 2          | 8          | 10         | 49         | 19         | 0          |     |     |
| 9            | 13         | 3          | 0          | 6          | 1          | 1          | 14         | 33         | 3          | 6          |     |     |
| 10           | 39         | 4          | 0          | 46         | 10         | 6          | 10         | 0          | 0          | 46         |     |     |
| 11           | 67         | 1          | 4          | 48         | 0          | 31         | 90         | 6          | 0          | 48         |     |     |
| 12           | 36         | 0          | 0          | 14         | 2          | 34         | 3          | 2          | 0          | 14         |     |     |
| 13           | 39         | 2          | 0          | 17         | 0          | 3          | 23         | 2          | 0          | 17         |     |     |
| 14           | 32         | 1          | 39         | 0          | 2          | 20         | 2          | 18         | 0          | 0          |     |     |
| 15           | 9          | 4          | 0          | 10         | 35         | 1          | 17         | 8          | 1          | 10         |     |     |
| 16           | 8          | 5          | 5          | 2          | 0          | 22         | 0          | 50         | 7          | 2          |     |     |
| 17           | 1          | 1          | 5          | 0          | 5          | 4          | 1          | 9          | 0          | 0          |     |     |
| 18           | 4          | 9          | 0          | 16         | 11         | 131        | 1          | 36         | 0          | 16         |     |     |
| 19           | 5          | 5          | 0          | 10         | 10         | 3          | 24         | 0          | 6          | 10         |     |     |
| 20           | 0          | 1          | 38         | 11         | 42         | 6          | 29         | 0          | 10         | 11         |     |     |
| 21           | 8          | 3          | 1          | 44         | 18         | 21         | 0          | 3          | 120        | 44         |     |     |
| 22           | 2          | 0          | 8          | 1          | 15         | 26         | 41         | 0          | 4          | 1          |     |     |
| 23           | 12         | 12         | 7          | 21         | 14         | 0          | 1          | 134        | 5          | 21         |     |     |
| 24           | 60         | 0          | 9          | 0          | 50         | 48         | 0          | 14         | 2          | 0          |     |     |
| 25           | 4          | 0          | 5          | 0          | 59         | 6          | 10         | 0          | 3          | 0          |     |     |
| 26           | 1          | 8          | 2          | 11         | 1          | 61         | 23         | 2          | 19         | 11         |     |     |
| 27           | 1          | 35         | 29         | 16         | 0          | 15         | 1          | 0          | 0          | 16         |     |     |
| 28           | 0          | 0          | 0          | 82         | 18         | 11         | 0          | 25         | 1          | 82         |     |     |
| 29           | 1          |            | 0          | 3          | 36         | 2          | 0          | 0          | 0          | 3          |     |     |
| 30           | 5          |            | 60         | 1          | 5          | 37         | 1          | 9          | 0          | 1          |     |     |
| 31           | 4          |            | 41         | 32         |            | 161        | 153        |            | 0          | 32         |     |     |
| <b>TOTAL</b> | <b>133</b> | <b>314</b> | <b>236</b> | <b>423</b> | <b>354</b> | <b>687</b> | <b>602</b> | <b>631</b> | <b>240</b> | <b>133</b> |     |     |
| <b>MEAN</b>  | <b>5</b>   | <b>10</b>  | <b>8</b>   | <b>14</b>  | <b>12</b>  | <b>22</b>  | <b>19</b>  | <b>21</b>  | <b>8</b>   | <b>5</b>   |     |     |
| <b>MAX</b>   | <b>35</b>  | <b>60</b>  | <b>57</b>  | <b>82</b>  | <b>59</b>  | <b>161</b> | <b>153</b> | <b>134</b> | <b>120</b> | <b>35</b>  |     |     |
| <b>MIN</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

**REPORTE DE PRECIPITACIÓN**

**Pluviómetro: Punta Rincón**

UBICACIÓN: 533380 E – 995427 N, en Minera Panamá, Distrito de Donoso, Provincia de Colón.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 382 mm

Precipitación Extrema: 135 mm el 31/07/2023

Unidad de medición: mm

| Días         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dic |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 14         | 7          | 0          | 7          | 1          | 4          | 36         | 0          | 0          | 5          |     |     |
| 2            | 62         | 10         | 0          | 5          | 20         | 0          | 3          | 0          | 132        | 0          |     |     |
| 3            | 45         | 8          | 0          | 2          | 5          | 2          | 0          | 0          | 34         | 4          |     |     |
| 4            | 11         | 0          | 12         | 9          | 0          | 0          | 0          | 11         | 1          | 0          |     |     |
| 5            | 1          | 8          | 0          | 0          | 1          | 0          | 12         | 110        | 1          | 0          |     |     |
| 6            | 35         | 14         | 11         | 0          | 5          | 2          | 0          | 49         | 0          | 1          |     |     |
| 7            | 11         | 2          | 41         | 27         | 0          | 1          | 2          | 7          |            | 0          |     |     |
| 8            | 9          | 1          | 0          | 0          | 0          | 3          | 3          | 16         | 0          | 3          |     |     |
| 9            | 27         | 2          | 5          | 10         | 10         | 0          | 0          | 10         |            | 1          |     |     |
| 10           | 29         | 1          | 0          | 42         | 56         | 6          | 5          | 16         |            | 3          |     |     |
| 11           | 60         | 1          | 8          | 2          | 18         | 1          | 33         | 34         | 0          | 0          |     |     |
| 12           | 42         | 1          | 0          | 5          | 10         | 1          | 51         | 5          | 0          | 3          |     |     |
| 13           | 38         | 2          | 0          | 4          | 11         | 2          | 4          | 0          | 0          | 0          |     |     |
| 14           | 20         | 6          | 23         | 0          | 0          | 5          | 27         | 0          | 0          | 0          |     |     |
| 15           | 17         | 1          | 0          | 0          | 2          | 43         | 0          | 0          | 9          | 0          |     |     |
| 16           | 21         | 15         | 11         | 0          | 4          | 0          | 22         | 1          | 68         | 2          |     |     |
| 17           | 1          | 1          | 10         | 19         | 0          | 16         | 5          |            | 5          | 0          |     |     |
| 18           | 12         | 4          | 0          | 3          | 15         | 9          | 91         |            | 41         | 0          |     |     |
| 19           | 7          | 3          | 0          | 9          | 19         | 5          | 4          |            | 0          | 1          |     |     |
| 20           | 6          | 2          | 53         | 43         | 7          | 27         | 9          |            | 0          | 16         |     |     |
| 21           | 3          | 1          | 2          | 0          | 63         | 19         | 15         |            | 5          | 124        |     |     |
| 22           | 4          | 4          | 5          | 0          | 2          | 30         | 20         |            | 2          | 2          |     |     |
| 23           | 5          | 24         | 7          | 0          | 7          | 27         | 0          |            | 113        | 9          |     |     |
| 24           | 54         | 0          | 19         | 0          | 0          | 42         | 35         |            | 8          | 1          |     |     |
| 25           | 3          | 4          | 11         | 0          | 0          | 41         | 4          |            | 0          | 5          |     |     |
| 26           | 1          | 4          | 1          | 0          | 8          | 2          | 86         |            | 0          | 35         |     |     |
| 27           | 1          | 15         | 135        | 0          | 17         | 0          | 11         | 0          | 0          | 0          |     |     |
| 28           | 0          | 0          | 0          | 0          | 80         | 14         | 11         | 0          | 17         | 1          |     |     |
| 29           | 0          |            | 0          | 0          | 15         | 38         | 1          | 0          | 0          | 0          |     |     |
| 30           | 1          |            | 50         | 37         | 2          | 3          | 45         | 0          | 11         | 0          |     |     |
| 31           | 1          |            | 28         |            | 32         |            | 203        | 65         |            | 1          |     |     |
| <b>TOTAL</b> | <b>541</b> | <b>141</b> | <b>432</b> | <b>224</b> | <b>410</b> | <b>343</b> | <b>738</b> | <b>324</b> | <b>447</b> | <b>217</b> |     |     |
| <b>MEAN</b>  | <b>17</b>  | <b>5</b>   | <b>14</b>  | <b>7</b>   | <b>13</b>  | <b>11</b>  | <b>24</b>  | <b>15</b>  | <b>17</b>  | <b>7</b>   |     |     |
| <b>MAX</b>   | <b>62</b>  | <b>24</b>  | <b>135</b> | <b>43</b>  | <b>80</b>  | <b>43</b>  | <b>203</b> | <b>110</b> | <b>132</b> | <b>124</b> |     |     |
| <b>MIN</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

**REPORTE DE PRECIPITACIÓN**

**Pluviómetro: Poza 4-TMF**

UBICACIÓN: 536056 E – 983737 N, en Minera Panamá, Distrito de Donoso, Provincia de Colón.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 335 mm

Precipitación Extrema: 142 mm el 30/08/2023

Unidad de medición: mm

| Días         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 10         | 4          | 1          | 8          | 5          | 2          | 13         | 1          | 0          | 11         |     |     |
| 2            | 55         | 6          | 0          | 24         | 10         | 1          | 36         | 0          | 61         | 0          |     |     |
| 3            | 36         | 15         | 1          | 0          | 6          | 11         | 0          | 0          | 1          | 0          |     |     |
| 4            | 13         | 17         | 2          | 17         | 2          | 1          | 2          | 10         | 9          | 11         |     |     |
| 5            | 5          | 14         | 4          | 0          | 0          | 0          | 13         | 77         | 0          | 0          |     |     |
| 6            | 31         | 30         | 15         | 5          | 12         | 0          | 2          | 25         | 8          | 23         |     |     |
| 7            | 1          | 7          | 59         | 19         | 0          | 4          | 2          | 3          | 11         | 12         |     |     |
| 8            | 19         | 1          | 1          | 1          | 0          | 28         | 0          | 1          | 1          | 1          |     |     |
| 9            | 1          | 6          | 1          | 7          | 3          | 0          | 1          | 1          | 8          | 12         |     |     |
| 10           | 45         | 4          | 0          | 30         | 17         | 13         | 19         | 3          | 0          | 28         |     |     |
| 11           | 37         | 2          | 2          | 27         | 2          | 0          | 5          | 72         | 0          | 3          |     |     |
| 12           | 18         | 15         | 0          | 10         | 3          | 0          | 29         | 8          | 0          | 2          |     |     |
| 13           | 33         | 3          | 0          | 22         | 1          | 0          | 2          | 20         | 7          | 3          |     |     |
| 14           | 49         | 23         | 0          | 0          | 0          | 22         | 7          | 2          | 21         | 1          |     |     |
| 15           | 38         | 5          | 0          | 0          | 1          | 23         | 0          | 27         | 3          | 16         |     |     |
| 16           | 28         | 19         | 0          | 3          | 4          | 0          | 8          | 1          | 13         | 36         |     |     |
| 17           | 1          | 0          | 7          | 4          | 0          | 10         | 0          | 0          | 5          | 0          |     |     |
| 18           | 1          | 6          | 0          | 0          | 0          | 31         | 23         | 137        | 13         | 0          |     |     |
| 19           | 3          | 7          | 0          | 3          | 6          | 10         | 2          | 20         | 2          | 0          |     |     |
| 20           | 9          | 3          | 0          | 13         | 0          | 10         | 11         | 11         | 1          | 9          |     |     |
| 21           | 16         | 1          | 0          | 0          | 0          | 12         | 12         | 12         | 0          | 22         |     |     |
| 22           | 4          | 8          | 0          | 0          | 0          | 10         | 0          | 121        | 1          | 6          |     |     |
| 23           | 5          | 17         | 7          | 0          | 2          | 25         | 0          | 1          | 25         | 9          |     |     |
| 24           | 27         | 3          | 9          | 0          | 0          | 0          | 19         | 1          | 5          | 13         |     |     |
| 25           | 3          | 2          | 63         | 0          | 1          | 8          | 42         | 0          | 1          | 18         |     |     |
| 26           | 11         | 3          | 3          | 0          | 28         | 2          | 28         | 5          | 1          | 46         |     |     |
| 27           | 1          | 12         | 66         | 0          | 2          | 0          | 5          | 0          | 0          | 0          |     |     |
| 28           | 4          | 1          | 1          | 0          | 1          | 25         | 39         | 2          | 5          | 1          |     |     |
| 29           | 17         |            | 1          | 0          | 50         | 17         | 2          | 0          | 7          | 11         |     |     |
| 30           | 4          |            | 30         | 0          | 14         | 1          | 1          | 142        | 0          | 0          |     |     |
| 31           | 2          |            | 24         |            | 51         |            | 47         | 27         |            | 9          |     |     |
| <b>TOTAL</b> | <b>527</b> | <b>234</b> | <b>297</b> | <b>193</b> | <b>221</b> | <b>266</b> | <b>370</b> | <b>730</b> | <b>209</b> | <b>303</b> |     |     |
| <b>MEAN</b>  | <b>17</b>  | <b>8</b>   | <b>10</b>  | <b>6</b>   | <b>7</b>   | <b>9</b>   | <b>12</b>  | <b>24</b>  | <b>7</b>   | <b>10</b>  |     |     |
| <b>MAX</b>   | <b>55</b>  | <b>30</b>  | <b>66</b>  | <b>30</b>  | <b>51</b>  | <b>31</b>  | <b>47</b>  | <b>142</b> | <b>61</b>  | <b>46</b>  |     |     |
| <b>MIN</b>   | <b>1</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

**REPORTE DE PRECIPITACIÓN**

**Pluviómetro: TMF**

UBICACIÓN: 539187 E – 981979 N, en Minera Panamá, Distrito de Donoso, Provincia de Colón.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 280 mm

Precipitación Extrema: 93 mm el 29/05/2023

Unidad de medición: mm

| Dias         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 18         | 5          | 0          | 11         | 3          | 6          | 18         | 0          | 0          | 15         |     |     |
| 2            | 37         | 5          | 0          | 6          | 16         | 0          | 29         | 0          | 35         | 0          |     |     |
| 3            | 37         | 13         | 0          | 1          | 6          | 32         | 0          | 0          | 4          | 0          |     |     |
| 4            | 7          | 14         | 4          | 10         | 0          | 1          | 2          | 17         | 7          | 0          |     |     |
| 5            | 6          | 16         | 2          | 0          | 0          | 2          | 14         | 46         | 1          | 0          |     |     |
| 6            | 23         | 28         | 21         | 2          | 24         | 0          | 11         | 28         | 5          | 1          |     |     |
| 7            | 3          | 4          | 61         | 32         | 0          | 1          | 1          | 2          | 9          | 29         |     |     |
| 8            | 2          | 3          | 1          | 1          | 0          | 27         | 1          | 1          | 0          | 0          |     |     |
| 9            | 1          | 3          | 0          | 6          | 1          | 0          | 0          | 2          | 8          | 30         |     |     |
| 10           | 42         | 1          | 0          | 20         | 10         | 13         | 17         | 2          | 1          | 33         |     |     |
| 11           | 19         | 4          | 1          | 23         | 1          | 0          | 2          | 53         | 0          | 2          |     |     |
| 12           | 7          | 4          | 0          | 12         | 3          | 0          | 29         | 5          | 0          | 9          |     |     |
| 13           | 58         | 2          | 0          | 23         | 1          | 0          | 8          | 33         | 3          | 15         |     |     |
| 14           | 44         | 12         | 0          | 1          | 0          | 6          | 7          | 1          | 12         | 1          |     |     |
| 15           | 83         | 6          | 0          | 0          | 1          | 14         | 0          | 29         | 12         | 25         |     |     |
| 16           | 23         | 12         | 0          | 1          | 5          | 0          | 8          | 1          | 0          | 22         |     |     |
| 17           | 2          | 5          | 2          | 4          | 0          | 0          | 1          | 0          | 9          | 2          |     |     |
| 18           | 0          | 17         | 0          | 0          | 0          | 6          | 8          | 11         | 14         | 0          |     |     |
| 19           | 3          | 6          | 1          | 2          | 3          | 13         | 3          | 21         | 0          | 0          |     |     |
| 20           | 4          | 9          | 15         | 6          | 3          | 4          | 5          | 4          | 2          | 6          |     |     |
| 21           | 5          | 1          | 3          | 0          | 42         | 8          | 10         | 4          | 0          | 36         |     |     |
| 22           | 3          | 3          | 0          | 0          | 1          | 14         | 5          | 52         | 1          | 1          |     |     |
| 23           | 4          | 23         | 6          | 0          | 0          | 31         | 0          | 1          | 36         | 14         |     |     |
| 24           | 32         | 1          | 3          | 0          | 0          | 0          | 12         | 2          | 7          | 21         |     |     |
| 25           | 4          | 0          | 64         | 0          | 6          | 6          | 15         | 1          | 1          | 10         |     |     |
| 26           | 3          | 5          | 1          | 0          | 50         | 23         | 34         | 3          | 0          | 24         |     |     |
| 27           | 1          | 12         | 29         | 0          | 2          | 1          | 1          | 0          | 4          | 0          |     |     |
| 28           | 3          | 0          | 0          | 0          | 1          | 10         | 24         | 5          | 7          | 1          |     |     |
| 29           | 3          |            | 0          | 0          | 93         | 12         | 2          | 0          | 10         | 4          |     |     |
| 30           | 5          |            | 29         | 0          | 11         | 1          | 0          | 0          | 0          | 7          |     |     |
| 31           | 3          |            | 13         |            | 23         |            | 31         | 21         |            | 6          |     |     |
| <b>TOTAL</b> | <b>485</b> | <b>214</b> | <b>256</b> | <b>161</b> | <b>306</b> | <b>231</b> | <b>298</b> | <b>345</b> | <b>188</b> | <b>314</b> |     |     |
| <b>MEAN</b>  | <b>16</b>  | <b>8</b>   | <b>8</b>   | <b>5</b>   | <b>10</b>  | <b>8</b>   | <b>10</b>  | <b>11</b>  | <b>6</b>   | <b>10</b>  |     |     |
| <b>MAX</b>   | <b>83</b>  | <b>28</b>  | <b>64</b>  | <b>32</b>  | <b>93</b>  | <b>32</b>  | <b>34</b>  | <b>53</b>  | <b>36</b>  | <b>36</b>  |     |     |
| <b>MIN</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

**REPORTE DE PRECIPITACION**

Pluviómetro: Botija Laydown

UBICACIÓN: 539076 E – 978121 N, en Minera Panamá, Distrito of Donoso, Provincia de Colon.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 294 mm

Precipitación Extrema: 140 mm el 29/05/2023

Unidad de medición: mm

| Días         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 23         | 6          | 1          | 6          | 2          | 17         | 41         | 0          | 0          | 4          |     |     |
| 2            | 44         | 5          | 1          | 13         | 6          | 0          | 18         | 0          | 38         | 0          |     |     |
| 3            | 33         | 18         | 1          | 0          | 2          | 93         | 0          | 0          | 4          | 0          |     |     |
| 4            | 8          | 14         | 5          | 11         | 2          | 14         | 0          | 15         | 16         | 3          |     |     |
| 5            | 3          | 16         | 3          | 0          | 0          | 3          | 21         | 39         | 1          | 0          |     |     |
| 6            | 17         | 27         | 15         | 10         | 27         | 0          | 5          | 16         | 1          | 1          |     |     |
| 7            | 1          | 5          | 69         | 30         | 0          | 1          | 1          | 2          | 10         | 27         |     |     |
| 8            | 15         | 3          | 1          | 2          | 0          | 5          | 2          | 0          | 0          | 0          |     |     |
| 9            |            | 2          | 0          | 7          | 0          | 1          | 0          | 1          | 14         | 4          |     |     |
| 10           | 22         | 2          | 1          | 18         | 9          | 7          | 10         | 0          | 0          | 28         |     |     |
| 11           | 15         | 2          | 12         | 18         | 2          | 0          | 2          | 37         | 0          | 2          |     |     |
| 12           | 5          | 5          | 0          | 10         | 2          | 0          | 10         | 3          | 0          | 0          |     |     |
| 13           | 47         | 4          | 0          | 21         | 0          | 0          | 5          | 30         | 2          | 34         |     |     |
| 14           | 42         | 21         | 0          | 0          | 0          | 8          | 19         | 1          | 5          | 0          |     |     |
| 15           | 84         | 9          | 1          | 0          | 24         | 22         | 0          | 17         | 8          | 60         |     |     |
| 16           | 22         | 12         | 0          | 11         | 5          | 0          | 6          | 0          | 1          | 43         |     |     |
| 17           | 1          | 2          | 0          | 7          | 0          | 0          | 1          | 2          | 4          | 20         |     |     |
| 18           | 0          | 11         | 0          | 0          | 0          | 0          | 27         | 62         | 5          | 0          |     |     |
| 19           | 1          | 5          | 0          | 6          | 2          | 16         | 1          | 13         | 0          | 0          |     |     |
| 20           | 6          | 8          | 12         | 7          | 7          | 3          | 5          | 4          | 7          | 1          |     |     |
| 21           | 4          | 0          | 3          | 0          | 32         | 5          | 2          | 0          | 1          | 11         |     |     |
| 22           | 3          | 7          | 0          | 0          | 1          | 25         | 33         | 52         | 2          | 1          |     |     |
| 23           | 3          | 11         | 5          | 0          | 0          | 21         | 0          | 1          | 31         | 13         |     |     |
| 24           | 21         | 1          | 4          | 0          | 0          | 0          | 9          | 13         | 4          | 34         |     |     |
| 25           | 3          | 0          | 47         | 0          | 31         | 7          | 15         | 1          | 1          | 24         |     |     |
| 26           | 1          | 4          | 5          | 0          | 9          | 14         | 16         | 6          | 1          | 10         |     |     |
| 27           | 1          | 13         | 30         | 0          | 2          | 0          | 0          | 1          | 5          | 0          |     |     |
| 28           | 2          | 1          | 0          | 0          | 0          | 7          | 16         | 3          | 11         | 1          |     |     |
| 29           | 11         |            | 0          | 0          | 140        | 7          | 2          | 0          | 2          | 6          |     |     |
| 30           | 3          |            | 22         | 0          | 54         | 2          | 0          | 0          | 0          | 28         |     |     |
| 31           | 3          |            | 12         |            | 52         |            | 28         | 15         |            | 4          |     |     |
| <b>TOTAL</b> | <b>444</b> | <b>214</b> | <b>250</b> | <b>177</b> | <b>411</b> | <b>278</b> | <b>295</b> | <b>334</b> | <b>174</b> | <b>359</b> |     |     |
| <b>MEAN</b>  | <b>15</b>  | <b>8</b>   | <b>8</b>   | <b>6</b>   | <b>13</b>  | <b>9</b>   | <b>10</b>  | <b>11</b>  | <b>6</b>   | <b>12</b>  |     |     |
| <b>MAX</b>   | <b>84</b>  | <b>27</b>  | <b>69</b>  | <b>30</b>  | <b>140</b> | <b>93</b>  | <b>41</b>  | <b>62</b>  | <b>38</b>  | <b>60</b>  |     |     |
| <b>MIN</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

**REPORTE DE PRECIPITACION**  
**Pluviómetro: Río Botija / San Benito**

UBICACIÓN: 542050 E – 976869 N, en Minera Panamá, Distrito of Donoso, Provincia de Colon.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 219 mm

Precipitación Extrema: 84 mm el 29/05/2023

Unidad de medición: mm

| Dias         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 11.75      | 10.75      | 0.75       | 16.75      | 0.5        | 20.25      | 18         | 0          | 0          | 7.5        |     |     |
| 2            | 10         | 2          | 0.25       | 8.25       | 6.25       | 0          | 13.25      | 0          | 17.75      | 0          |     |     |
| 3            | 17         | 13.25      | 2.75       | 0.75       | 1          | 53.75      | 0          | 0.25       | 7.5        | 13.75      |     |     |
| 4            | 3.5        | 7.25       | 1          | 6.5        | 0          | 11.75      | 0.25       | 6          | 30.25      | 4.25       |     |     |
| 5            | 1.5        | 9.25       | 0.25       | 1.5        | 0.25       | 5          | 3.75       | 31.5       | 22.25      | 0          |     |     |
| 6            | 15.75      | 10         | 43.75      | 1.5        | 21         | 1          | 3          | 14.75      | 4.25       | 0.75       |     |     |
| 7            | 0.25       | 1.5        | 33.25      | 30.5       | 0.25       | 5.5        | 1          | 2          | 12         | 12.75      |     |     |
| 8            | 4          | 3.25       | 2          | 0.25       | 0          | 26.5       | 0.75       | 0.75       | 0.25       | 0          |     |     |
| 9            | 1          | 0.5        | 0.5        | 0.75       | 0.25       | 0          | 0.5        | 1.25       | 8          | 0.25       |     |     |
| 10           | 31.5       | 1          | 0          | 7.5        | 4.75       | 0          | 14.25      | 1.5        | 0          | 12         |     |     |
| 11           | 14.25      | 1.75       | 1          | 14.75      | 4.25       | 0          | 1.75       | 38.75      | 1.5        | 1          |     |     |
| 12           | 17.75      | 1          | 2.75       | 12         | 2          | 0          | 7          | 3.25       | 0          | 22.5       |     |     |
| 13           | 26.25      | 3          | 0.75       | 9.75       | 1.25       | 0          | 4.25       | 25         | 5          | 38.5       |     |     |
| 14           | 50.25      | 9.25       | 1          | 0.5        | 0          | 1.75       | 20.75      | 1.25       | 2          | 0.75       |     |     |
| 15           | 56         | 2.75       | 0.25       | 0          | 2          | 10.25      | 0          | 18.75      | 5.25       | 24         |     |     |
| 16           | 14.25      | 18.25      | 0.5        | 4.5        | 4.75       | 0          | 11.25      | 0          | 2.75       | 18.25      |     |     |
| 17           | 4          | 0.75       | 0          | 4          | 0.25       | 0          | 1.25       | 0          | 7.75       | 18.25      |     |     |
| 18           | 0.25       | 8.5        | 0.25       | 0          | 1          | 0.75       | 11         | 18.5       | 4          | 0.25       |     |     |
| 19           | 3.75       | 5          | 0.5        | 14         | 5.75       | 6.75       | 2          | 7.5        | 0          | 0          |     |     |
| 20           | 2.75       | 8          | 10         | 3.5        | 7.75       | 1.5        | 1.25       | 4          | 0          | 1          |     |     |
| 21           | 0.75       | 0.25       | 2          | 0          | 26.25      | 1.5        | 1          | 0.25       | 1.25       | 13.5       |     |     |
| 22           | 0.5        | 4          | 2.5        | 0.25       | 0.25       | 36         | 35         | 37.5       | 2          | 0.75       |     |     |
| 23           | 3.75       | 8          | 5.25       | 0.25       | 1.25       | 14         | 1          | 1          | 47.5       | 6          |     |     |
| 24           | 11.75      | 0.75       | 3          | 0          | 0.5        | 0.25       | 10.25      | 8          | 11.5       | 11.75      |     |     |
| 25           | 4.25       | 3.75       | 30.25      | 0.25       | 28.5       | 4          | 8.5        | 0          | 0.75       | 16.25      |     |     |
| 26           | 1.75       | 5.5        | 2.75       | 0          | 20         | 20         | 12.75      | 1.5        | 0.25       | 4.5        |     |     |
| 27           | 1.25       | 6.75       | 12.5       | 0          | 2.75       | 1.25       | 0.75       | 0.5        | 8.5        | 0.5        |     |     |
| 28           | 2.5        | 0.25       | 1.75       | 0          | 0          | 10.25      | 14.25      | 4.5        | 9          | 0.25       |     |     |
| 29           | 9.5        |            | 0          | 0          | 84.25      | 4.75       | 2.5        | 0.75       | 0.25       | 1.5        |     |     |
| 30           | 1.5        |            | 14         | 1          | 9.75       | 0.25       | 0.25       | 0          | 0.5        | 2          |     |     |
| 31           | 0.75       |            | 4.75       |            | 6.5        |            | 26.75      | 8.5        |            | 8.75       |     |     |
| <b>TOTAL</b> | <b>324</b> | <b>146</b> | <b>180</b> | <b>139</b> | <b>243</b> | <b>237</b> | <b>228</b> | <b>238</b> | <b>212</b> | <b>242</b> |     |     |
| <b>MEAN</b>  | <b>10</b>  | <b>5</b>   | <b>6</b>   | <b>5</b>   | <b>8</b>   | <b>8</b>   | <b>7</b>   | <b>8</b>   | <b>7</b>   | <b>8</b>   |     |     |
| <b>MAX</b>   | <b>56</b>  | <b>18</b>  | <b>44</b>  | <b>31</b>  | <b>84</b>  | <b>54</b>  | <b>35</b>  | <b>39</b>  | <b>48</b>  | <b>39</b>  |     |     |
| <b>MIN</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

**REPORTE DE PRECIPITACION**

**Pluviómetro: Valle Grande**

UBICACIÓN: 537161 E – 975306 N, en Minera Panamá, Distrito of Donoso, Provincia de Colon.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 271 mm

Precipitación Extrema: 112 mm el 17/08/2023

Unidad de medición: mm

| Días         | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1            | 23         | 8          | 1          | 4          | 0          | 14         | 48         | 0          | 0          | 8          |     |     |
| 2            | 29         | 6          | 2          | 13         | 2          | 0          | 12         | 0          | 27         | 0          |     |     |
| 3            | 26         | 36         | 1          | 0          | 3          | 93         | 0          | 0          | 2          | 4          |     |     |
| 4            | 6          | 25         | 5          | 12         | 1          | 0          | 0          | 6          | 17         | 1          |     |     |
| 5            | 5          | 6          | 1          | 0          | 1          | 3          | 23         | 29         | 0          | 0          |     |     |
| 6            | 24         | 19         | 19         | 15         | 13         | 0          | 5          | 17         | 0          | 1          |     |     |
| 7            | 0          | 5          | 44         | 24         | 0          | 6          | 0          | 9          | 9          | 31         |     |     |
| 8            | 5          | 5          | 1          | 0          | 0          | 9          | 0          | 0          | 0          | 0          |     |     |
| 9            | 0          | 3          | 0          | 8          | 1          | 0          | 0          | 1          | 17         | 6          |     |     |
| 10           | 15         | 2          | 0          | 16         | 1          | 9          | 14         | 0          | 0          | 23         |     |     |
| 11           | 12         | 11         | 1          | 11         | 1          | 0          | 1          | 27         | 0          | 1          |     |     |
| 12           | 5          | 10         | 3          | 6          | 2          | 0          | 4          | 2          | 0          | 0          |     |     |
| 13           | 29         | 2          | 11         | 14         | 0          | 0          | 1          | 26         | 3          | 8          |     |     |
| 14           | 41         | 12         | 1          | 1          | 0          | 6          | 15         | 1          | 10         | 0          |     |     |
| 15           | 42         | 10         | 0          | 0          | 30         | 19         | 0          | 29         | 11         | 20         |     |     |
| 16           | 28         | 13         | 0          | 7          | 2          | 0          | 17         | 0          | 3          | 62         |     |     |
| 17           | 2          | 3          | 0          | 1          | 0          | 0          | 2          | 112        | 1          | 26         |     |     |
| 18           | 1          | 7          | 0          | 0          | 1          | 0          | 21         | 7          | 6          | 0          |     |     |
| 19           | 0          | 5          | 2          | 5          | 3          | 5          | 0          | 19         | 0          | 0          |     |     |
| 20           | 12         | 6          | 11         | 3          | 18         | 2          | 4          | 6          | 0          | 0          |     |     |
| 21           | 6          | 1          | 2          | 0          | 35         | 1          | 5          | 0          | 0          | 7          |     |     |
| 22           | 1          | 11         | 2          | 0          | 3          | 42         | 28         | 49         | 2          | 0          |     |     |
| 23           | 1          | 13         | 10         | 0          | 1          | 2          | 0          | 1          | 18         | 4          |     |     |
| 24           | 21         | 2          | 4          | 0          | 0          | 0          | 9          | 15         | 8          | 31         |     |     |
| 25           | 1          | 0          | 34         | 0          | 49         | 14         | 26         | 0          | 2          | 51         |     |     |
| 26           | 3          | 10         | 15         | 0          | 8          | 5          | 12         | 9          | 0          | 4          |     |     |
| 27           | 1          | 10         | 24         | 0          | 1          | 0          | 1          | 0          | 1          | 2          |     |     |
| 28           | 4          | 2          | 0          | 0          | 2          | 5          | 6          | 13         | 31         | 0          |     |     |
| 29           | 15         |            | 0          | 0          | 104        | 6          | 3          | 0          | 1          | 0          |     |     |
| 30           | 6          |            | 18         | 0          | 50         | 2          | 0          | 0          | 0          | 15         |     |     |
| 31           | 2          |            | 15         |            | 21         |            | 20         | 6          |            | 4          |     |     |
| <b>TOTAL</b> | <b>366</b> | <b>243</b> | <b>227</b> | <b>120</b> | <b>366</b> | <b>243</b> | <b>227</b> | <b>140</b> | <b>353</b> | <b>243</b> |     |     |
| <b>MEAN</b>  | <b>12</b>  | <b>9</b>   | <b>7</b>   | <b>5</b>   | <b>11</b>  | <b>8</b>   | <b>9</b>   | <b>12</b>  | <b>6</b>   | <b>10</b>  |     |     |
| <b>MAX</b>   | <b>42</b>  | <b>36</b>  | <b>44</b>  | <b>24</b>  | <b>104</b> | <b>93</b>  | <b>48</b>  | <b>112</b> | <b>31</b>  | <b>62</b>  |     |     |
| <b>MIN</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |



**REPORTE DE PRECIPITACION**

**Pluviómetro: Petaquilla**

UBICACIÓN: 533134 E – 977255 N, en Minera Panamá, Distrito of Donoso, Provincia de Colon.

Periodo Reportado: 01/01/2023- 31/10/2023

Promedio de Precipitación: 319 mm

Precipitación Extrema: 108 mm el 30/05/2023

Unidad de medición: mm

| Dias        | Jan        | Feb        | Mar        | Apr        | May        | Jun        | Jul        | Aug        | Sep        | Oct        | Nov | Dec |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|-----|
| 1           | 10         | 6          | 2          | 7          | 0          | 8          | 38         | 0          | 0          | 2          |     |     |
| 2           | 49         | 11         | 2          | 30         | 9          | 0          | 16         | 0          | 52         | 0          |     |     |
| 3           | 36         | 32         | 6          | 1          | 3          | 16         | 0          | 0          | 1          | 0          |     |     |
| 4           | 9          | 11         | 6          | 10         | 1          | 8          | 1          | 11         | 8          | 0          |     |     |
| 5           | 12         | 18         | 2          | 0          | 1          | 15         | 23         | 43         | 0          | 1          |     |     |
| 6           | 21         | 39         | 28         | 14         | 11         | 0          | 5          | 21         | 0          | 0          |     |     |
| 7           | 0          | 8          | 58         | 13         | 0          | 3          | 0          | 10         | 4          | 7          |     |     |
| 8           | 10         | 4          | 2          | 1          | 0          | 77         | 2          | 0          | 0          | 0          |     |     |
| 9           | 2          | 5          | 1          | 6          | 3          | 0          | 0          | 1          | 4          | 11         |     |     |
| 10          | 17         | 13         | 0          | 4          | 6          | 9          | 14         | 1          | 0          | 17         |     |     |
| 11          | 35         | 5          | 1          | 12         | 2          | 0          | 12         | 26         | 0          | 11         |     |     |
| 12          | 7          | 13         | 0          | 11         | 0          | 0          | 12         | 4          | 0          | 0          |     |     |
| 13          | 45         | 6          | 0          | 11         | 1          | 0          | 1          | 24         | 5          | 49         |     |     |
| 14          | 24         | 19         | 0          | 1          | 0          | 9          | 37         | 1          | 12         | 0          |     |     |
| 15          | 60         | 10         | 0          | 0          | 5          | 21         | 0          | 12         | 8          | 77         |     |     |
| 16          | 29         | 35         | 0          | 13         | 2          | 0          | 15         | 5          | 0          | 40         |     |     |
| 17          | 0          | 2          | 0          | 0          | 0          | 0          | 3          | 45         | 2          | 10         |     |     |
| 18          | 0          | 6          | 0          | 0          | 0          | 4          | 15         | 5          | 13         | 7          |     |     |
| 19          | 3          | 9          | 0          | 11         | 4          | 6          | 2          | 8          | 0          | 1          |     |     |
| 20          | 6          | 4          | 15         | 2          | 27         | 8          | 5          | 22         | 6          | 1          |     |     |
| 21          | 7          | 2          | 5          | 0          | 31         | 7          | 13         | 2          | 1          | 7          |     |     |
| 22          | 1          | 10         | 10         | 0          | 6          | 32         | 8          | 86         | 6          | 2          |     |     |
| 23          | 4          | 21         | 10         | 0          | 1          | 15         | 1          | 1          | 11         | 0          |     |     |
| 24          | 11         | 3          | 10         | 0          | 0          | 1          | 10         | 7          | 17         | 52         |     |     |
| 25          | 2          | 3          | 55         | 0          | 4          | 6          | 43         | 0          | 1          | 62         |     |     |
| 26          | 11         | 19         | 7          | 0          | 3          | 2          | 7          | 18         | 0          | 6          |     |     |
| 27          | 1          | 12         | 25         | 0          | 2          | 0          | 0          | 0          | 8          | 1          |     |     |
| 28          | 3          | 5          | 5          | 0          | 2          | 7          | 6          | 51         | 7          | 1          |     |     |
| 29          | 17         |            | 0          | 0          | 94         | 7          | 2          | 0          | 7          | 3          |     |     |
| 30          | 10         |            | 32         | 0          | 108        | 3          | 0          | 0          | 0          | 33         |     |     |
| 31          | 1          |            | 25         |            | 27         |            | 30         | 34         |            | 16         |     |     |
| <b>TOTA</b> | <b>443</b> | <b>331</b> | <b>307</b> | <b>147</b> | <b>353</b> | <b>264</b> | <b>321</b> | <b>438</b> | <b>173</b> | <b>417</b> |     |     |
| <b>MEA</b>  | <b>14</b>  | <b>12</b>  | <b>10</b>  | <b>5</b>   | <b>11</b>  | <b>9</b>   | <b>10</b>  | <b>14</b>  | <b>6</b>   | <b>13</b>  |     |     |
| <b>MAX</b>  | <b>60</b>  | <b>39</b>  | <b>58</b>  | <b>30</b>  | <b>108</b> | <b>77</b>  | <b>43</b>  | <b>86</b>  | <b>52</b>  | <b>77</b>  |     |     |
| <b>MIN</b>  | <b>0</b>   | <b>2</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   |     |     |

A. Gráfica acumulativa mensual

